



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
CHATTANOOGA ENVIRONMENTAL FIELD OFFICE  
DIVISION OF WATER POLLUTION CONTROL  
540 MCCALLIE AVENUE, SUITE 550  
CHATTANOOGA, TN 37402

JFH ✓  
file: Bledsoe Co.  
Correct. Complex  
2011 (Bledsoe)

April 26, 2011

Mr. Greg Steck  
Tennessee Department of Finance and Administration  
312 Rosa L Parks Avenue, Suite 2200  
Nashville, TN 37243

Subject: **General Permit for Minor Alterations to Wetlands**  
**Aquatic Resource Alteration Permit (ARAP) NR1101.025**  
**Bledsoe County Correctional Complex**  
**Pikeville, Bledsoe County, Tennessee**

Permit  
+ NR1101.029 (attached)

Dear Mr. Steck:

We have reviewed your application for the proposed temporary impact of wetlands (0.023 acres) for force main installation. Pursuant to the *Tennessee Water Quality Control Act of 1977* (T.C.A. § 69-3-101 et seq.) and supporting regulations the Division of Water Pollution Control is required to determine whether the activity described in the attached notice of coverage will violate applicable water quality standards.

This activity is governed by the *General Permit for Minor Alterations to Wetlands*. The work must be accomplished in conformance with accepted plans and information submitted in support of application NR1101.025 and the limitations and conditions set forth in the *General Permit for Minor Alterations to Wetlands* (enclosed). It is the responsibility of the permittee to ensure that all contractors involved with this project have read and understand the permit conditions before the project begins.

**Please note that this alteration shall not adversely affect the functions and classified use support of other waters of the State.** The permit has specific limits to the amount of wetlands that can be altered. **It can not be used in incremental means to combine with other projects to alter larger areas of wetlands.** In addition, adequate erosion controls must be installed prior to construction and maintained during construction of the project. All disturbed areas must be re-vegetated or otherwise stabilized upon completion of construction.

We appreciate your attention to the Aquatic Resource Alteration Permit program. If you have any questions, please contact Ms. Jennifer Innes at (423) 634-5719 or by e-mail at [Jennifer.Innes@tn.gov](mailto:Jennifer.Innes@tn.gov).

Sincerely,

Richard D. Urban, Ph.D.  
DWPC Manager; Chattanooga Environmental Field Office

Encl: NOC and copy of general permit  
CC: DWPC, Chattanooga EFO Permit File

Mr. Robert Threadgill, Jr., GRW Elrod Dunson, Inc., 404 BNA Drive, Suite 201, Nashville, TN 37217



Under the Aquatic Resource Alteration

## **General Permit for Minor Alterations to Wetlands**

Tennessee Department of Environment and Conservation

Division of Water Pollution Control

401 Church Street, 6th Floor, L&C Annex

Nashville, Tennessee 37243-1534

### **ARAP - NR1101.025**

Under authority of the Tennessee Water Quality Control Act of 1977 (TWQCA, T.C.A. 69-3-101 et seq.) the Division of Water Pollution Control has determined the activity described below would not violate applicable water quality standards.

This activity is governed by the *General Permit for Minor Alterations to Wetlands* (effective July 1, 2010) issued pursuant to the TWQCA. The work must be accomplished in conformance with accepted plans, specifications, data and other information submitted in support of application NR1101.025 and the terms and conditions set forth in the above referenced general permit.

**PERMITTEE:** Tennessee Department of Finance and Administration

**AUTHORIZED WORK:** temporary impact of wetlands (0.023 acres) for force main installation

**LOCATION:** Bledsoe County Correctional Complex, Bledsoe County

**WATERBODY NAME:** wetlands

**EFFECTIVE DATE:** 26-APR-11

**EXPIRATION DATE:** 26-APR-13

This does not preclude requirements of other federal, state or local laws. In particular, work shall not commence until the applicant has received the federal §404 permit from the U. S. Army Corps of Engineers, a §26a permit from the Tennessee Valley Authority or authorization under a Tennessee NPDES Storm Water Construction Permit where necessary. This permit may also serve as a federal §401 water quality certification (pursuant to 40 C.F.R. §121.2) since the planned activity was reviewed and the division has reasonable assurance that the activity will be conducted in a manner that will not violate applicable water quality standards (T.C.A. § 69-3-101 et seq. or of § § 301, 302, 303, 306 or 307 of *The Clean Water Act*).

The state of Tennessee may modify, suspend or revoke this authorization or seek modification or revocation should the state determine that the activity results in more than an insignificant violation of applicable water quality standards or violation of the TWQCA. Failure to comply with permit terms may result in penalty in accordance with T.C.A. §69-3-115.

A handwritten signature in dark ink that reads "Paul E. Davis".

Paul E. Davis, P.E.  
Director, Division of Water Pollution Control



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
CHATTANOOGA ENVIRONMENTAL FIELD OFFICE  
DIVISION OF WATER POLLUTION CONTROL  
540 MCCALLIE AVENUE, SUITE 550  
CHATTANOOGA, TN 37402

RC  
JH1 ✓  
Jia; Bledsoe Co.  
Correct. Complex  
2011 (Bledsoe)

April 26, 2011

Mr. Greg Steck  
Tennessee Department of Finance and Administration  
312 Rosa L Parks Avenue, Suite 2200  
Nashville, TN 37243

Subject: **General Permit for Utility Line Crossings**  
**Aquatic Resource Alteration Permit (ARAP) NR1001.029**  
**Bledsoe County Correctional Complex**  
**Pikeville, Bledsoe County, Tennessee**

Dear Mr. Steck:

We have reviewed your application for the proposed force main sewer line crossings. Pursuant to the *Tennessee Water Quality Control Act of 1977* (T.C.A. § 69-3-101 et seq.) and supporting regulations the Division of Water Pollution Control is required to determine whether the activity described in the attached notice of coverage will violate applicable water quality standards.

This activity is governed by the *General Permit for Utility Line Crossings*. The work must be accomplished in conformance with accepted plans and information submitted in support of application NR1001.029 and the limitations and conditions set forth in the *General Permit for Utility Line Crossings* (enclosed). It is the responsibility of the permittee to ensure that all contractors involved with this project have read and understand the permit conditions before the project begins.

**Please note that construction activities must be accomplished in a manner that prevents erosion and stabilizes both the streambed and stream bank, if disturbed. Excavation and fill activities shall be separated from flowing waters and all contours must be returned to pre-project conditions.** In addition, adequate erosion controls must be installed prior to construction and maintained during construction of the project. All disturbed areas must be revegetated or otherwise stabilized upon completion of construction. Please make the necessary provisions for these circumstances.

We appreciate your attention to the Aquatic Resource Alteration Permit program. If you have any questions, please contact Ms. Jennifer Innes at (423) 634-5719 or by e-mail at [Jennifer.Innes@tn.gov](mailto:Jennifer.Innes@tn.gov).

Sincerely,

Richard D. Urban, Ph.D.  
DWPC Manager; Chattanooga Environmental Field Office

Encl: NOC and copy of general permit  
CC: DWPC, Chattanooga EFO Permit File  
Mr. Robert Threadgill, Jr., GRW Elrod Dunson, Inc., 404 BNA Drive, Suite 201, Nashville, TN 37217



Under the Aquatic Resource Alteration  
**General Permit for Utility Line Crossings**

Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
401 Church Street, 6th Floor, L&C Annex  
Nashville, Tennessee 37243-1534

**ARAP - NR1001.029**

Under authority of the Tennessee Water Quality Control Act of 1977 (TWQCA, T.C.A. 69-3-101 et seq.) the Division of Water Pollution Control has determined the activity described below would not violate applicable water quality standards.

This activity is governed by the *General Permit for Utility Line Crossings* (effective July 1, 2010) issued pursuant to the TWQCA. The work must be accomplished in conformance with accepted plans, specifications, data and other information submitted in support of application NR1001.029 and the terms and conditions set forth in the above referenced general permit.

**PERMITTEE:** TN Dept of Finance and Administration  
**AUTHORIZED WORK:** force main sewer line crossings  
**LOCATION:** Bledsoe Correctional Facility, Bledsoe County  
**WATERBODY NAME:** Tributaries to Bee Creek

**EFFECTIVE DATE:** 26-APR-11

**EXPIRATION DATE:** 26-APR-13

This does not preclude requirements of other federal, state or local laws. In particular, work shall not commence until the applicant has received the federal §404 permit from the U. S. Army Corps of Engineers, a §26a permit from the Tennessee Valley Authority or authorization under a Tennessee NPDES Storm Water Construction Permit where necessary. This permit may also serve as a federal §401 water quality certification (pursuant to 40 C.F.R. §121.2) since the planned activity was reviewed and the division has reasonable assurance that the activity will be conducted in a manner that will not violate applicable water quality standards (T.C.A. § 69-3-101 et seq. or of § § 301, 302, 303, 306 or 307 of *The Clean Water Act*).

The state of Tennessee may modify, suspend or revoke this authorization or seek modification or revocation should the state determine that the activity results in more than an insignificant violation of applicable water quality standards or violation of the TWQCA. Failure to comply with permit terms may result in penalty in accordance with T.C.A. §69-3-115.



Paul E. Davis, P.E.  
Director, Division of Water Pollution Control



404 BNA Drive  
Suite 201  
Nashville, TN 37217  
Tel 615 / 366-1600  
Fax 615 / 366-0406

Engineering  
Architecture  
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GIS  
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Cincinnati, OH  
Columbus, OH  
Indianapolis, IN  
Knoxville, TN  
Lexington, KY  
Louisville, KY

**GRW Engineers, Inc.**

April 30, 2010

NR1001.029 > Issued JHI 4/26  
NR1101.025

Ms. Jennifer H. Innes  
Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
Chattanooga Environmental Field Office  
540 McCallie Avenue, Suite 550  
Chattanooga, Tennessee 37402

Re: Southeastern Tennessee State Regional Correctional Facility  
Bledsoe County, TN  
Wastewater Infrastructure Improvements  
WWTP and Force Main / Gravity Sewer Additions  
SBC Project No. 142/013-02-2004-10  
GRW Project No. 7740-30  
ARAP Application – Revised drawings

MRG  
Jen. Bledsoe Co.  
Correct. Facility  
2010 (Bledsoe)

Dear Ms. Innes:

Enclosed are two revised drawing sheets of the force main for this project. The force main route was moved approximately 18 feet to the east towards the road. This change in the route will eliminate the crossing of the line in two of the three wetlands ("S" & "P") shown on the map previously supplied with the ARAP application. We are also including with this letter a detail of the area where we may encounter the edge of wetland "J". The new route is on the edge of the delineated area for this wetland and there may be about 100 feet touching the centerline of the force main. If encounter, the disturbed area will be no more than 1,000 square feet or 0.023 acres.

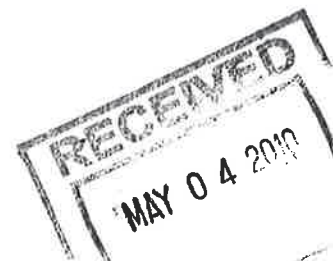
If there are any questions concerning this letter or the enclosures, please feel free to call.

Sincerely,

Robert G. Threadgill, Jr., P.E.  
Project Engineer  
[bthreadgill@grwinc.com](mailto:bthreadgill@grwinc.com)

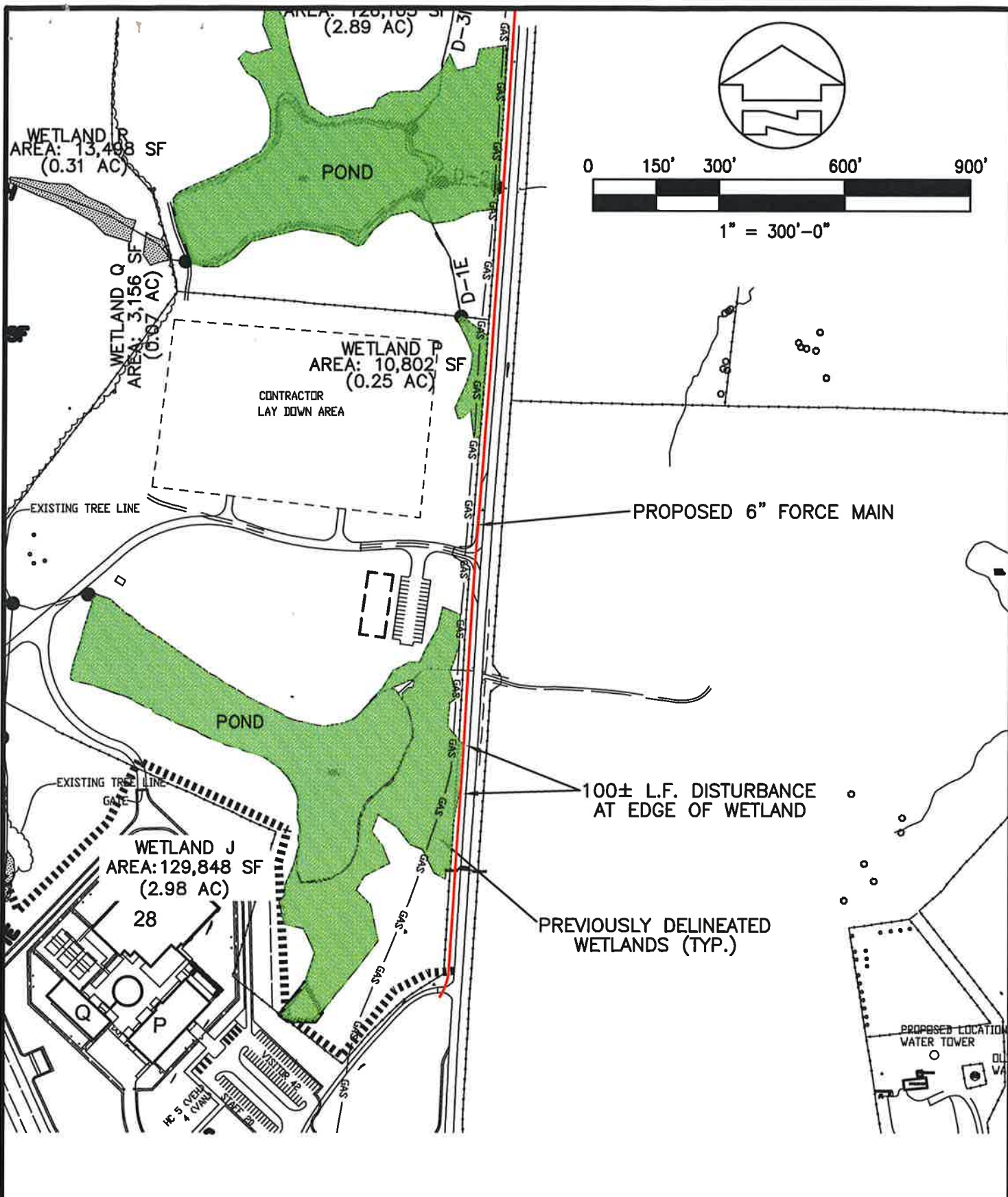
Enclosure

cc: Mr. Greg Steck – TN Dept. of Finance & Administration  
file 7740-30A



Withheld ARAP coverage until  
CGP issues resolved





REVISIONS			
NO.	DESCRIPTION	DATE	BY

DESIGNED: STAFF  
 DRAWN: STAFF  
 REVIEWED: STAFF  
 APPROVED: STAFF

**TAFT FORCE MAIN  
 NEW ROUTE  
 SE-TN STATE REGIONAL  
 CORRECTIONAL FACILITY  
 BLEDSOE COUNTY, TN**

**GRW**  
 ENGINEERS - ARCHITECTS - PLANNERS  
 www.grwinc.com

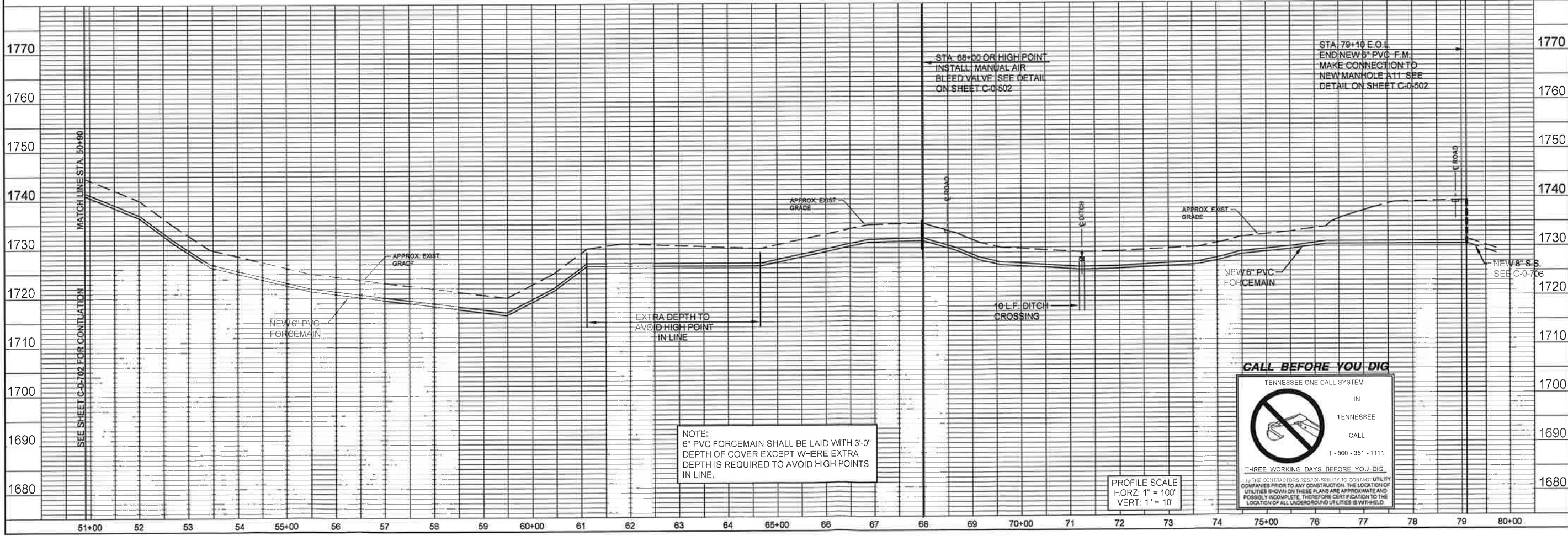
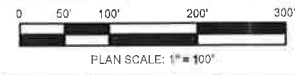
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 NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION  
 OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT WRITTEN PERMISSION

DATE: APRIL 2010  
 SCALE: AS NOTED  
 SHEET NO: 1 of 1



MAY 04 2010

MATCH LINE STA. 50+90  
SEE SHEET C-0-702



NOTE:  
6" PVC FORCEMAIN SHALL BE LAID WITH 3'-0"  
DEPTH OF COVER EXCEPT WHERE EXTRA  
DEPTH IS REQUIRED TO AVOID HIGH POINTS  
IN LINE.

PROFILE SCALE  
HORZ: 1" = 100'  
VERT: 1" = 10'

**CALL BEFORE YOU DIG**

TENNESSEE ONE CALL SYSTEM

IN  
TENNESSEE  
CALL  
1-800-351-1111

THREE WORKING DAYS BEFORE YOU DIG

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND UTILITIES IS WITHHELD.

GRW PROJECT NO. 1740-30

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FROM GRW INC.

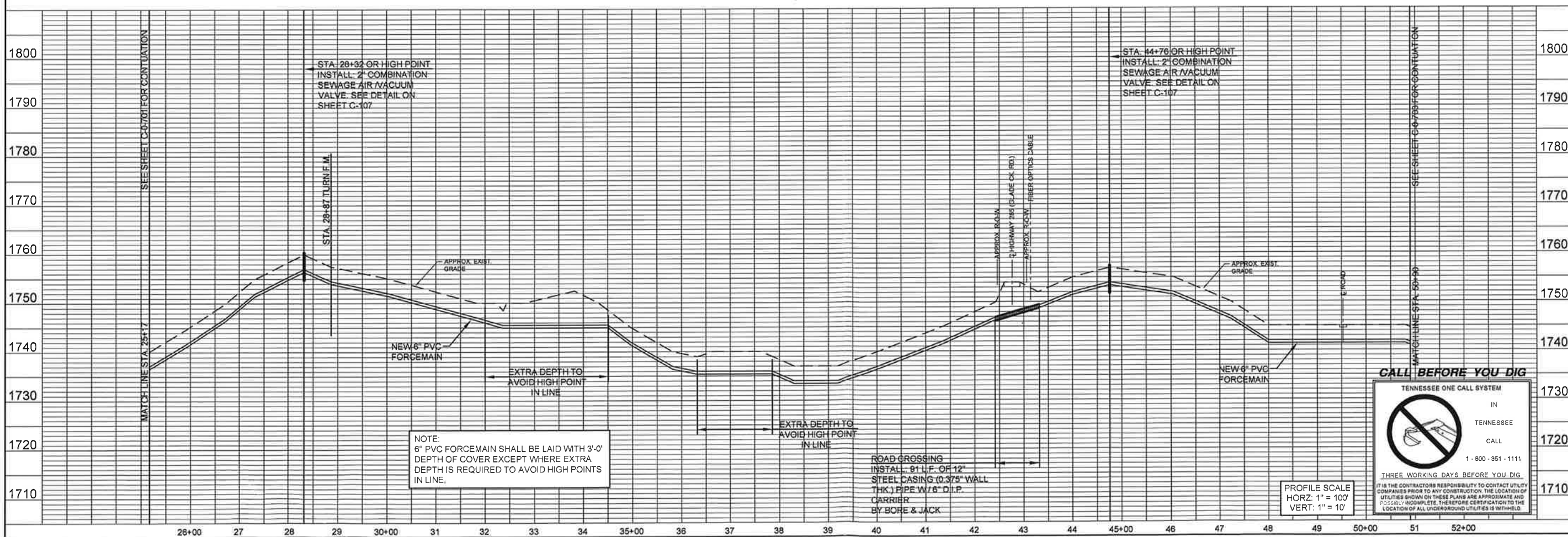
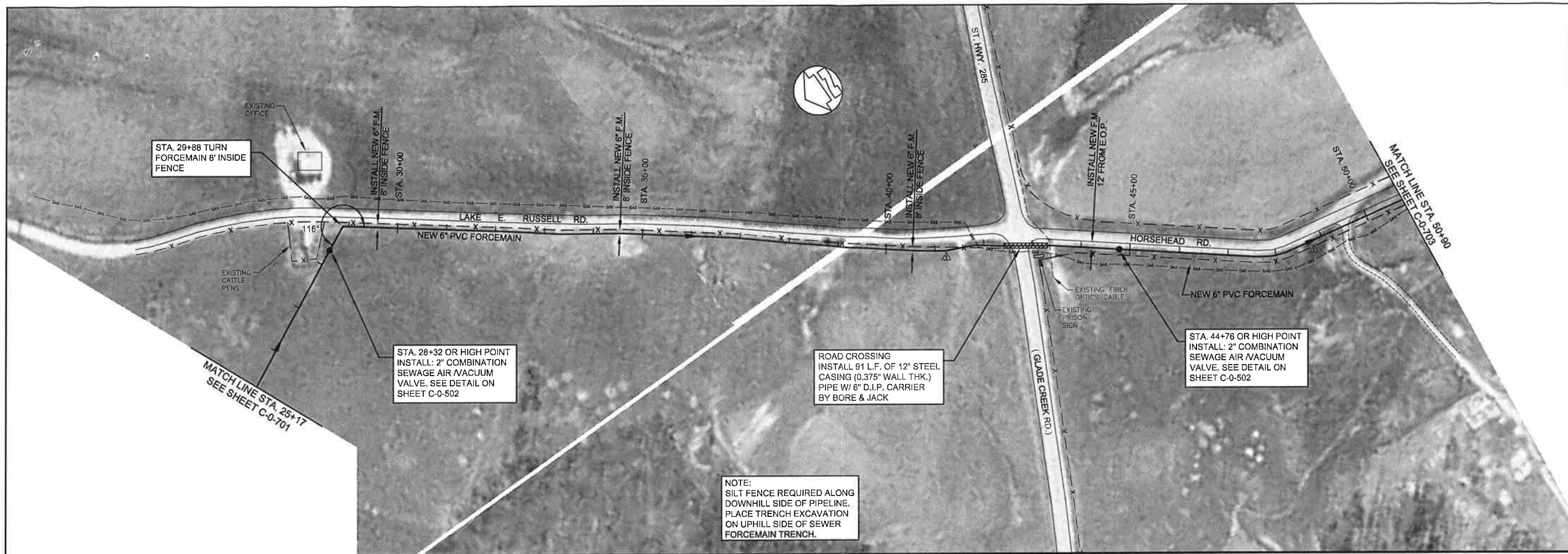
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**6" PVC FORCE MAIN**  
STA. 50+90 TO STA. 79+10 E.O.L.  
SE-TN STATE REGIONAL CORRECTIONAL FACILITY  
BLEDSOE COUNTY, TN  
SBC NO. 142 / 013-02-2004-10

REVISIONS	DATE	BY	CHK.	DATE	BY	CHK.
1	4/29/10	SC				

DATE: AUGUST, 2009  
SCALE: AS NOTED  
SHEET NO: C-0-703





ROBERT G. THREEDILL, P.E.  
REGISTERED PROFESSIONAL ENGINEER  
Tennessee  
No. 11204  
Exp. 12/31/2012

GRW PROJECT NO. 7740-3D

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6" PVC FORCE MAIN  
STA. 25+17 TO STA. 50+90  
SE-TN STATE REGIONAL CORRECTIONAL FACILITY  
BLED SOE COUNTY, TN

DESIGNED	RG
DRAWN	SG
CHECKED	RG
APPROVED	RG

DATE: AUGUST, 2009  
SCALE: AS NOTED  
SHEET NO. C-0-702



**Jennifer Innes - Bledsoe prison ARAP**

---

**From:** Jennifer Innes  
**To:** bthreadgill@grwinc.com  
**Date:** 4/27/2010 4:02 PM  
**Subject:** Bledsoe prison ARAP  
**CC:** Micah Gravitt

---

Hi Mr. Threadgill

I am processing the ARAP for Bledsoe prison. It is my understanding based on your last e-mail and the drawings that the wetlands (labeled as Wetland S, Wetland P, Wetland J) go up to the fenceline, and this application states that there will be sewer line work inside the fenceline. Therefore there will be temporary wetlands impacts that need to be permitted. We can allow up to 0.10 acres of impacts to non-isolated wetlands under a general permit. Basically, I would need to know the acreage of impact, and how it will be restored after the line is installed (typically, the hydric soil is stockpiled and placed back on top to original contours).

Also, we have not yet received a fee payment or journal voucher for the construction permit, so Micah has not processed that permit.

Thanks  
Jennifer

Jennifer H. Innes  
Environmental Specialist  
WPC, Chattanooga  
(423) 634-5719

**Jennifer Innes - RE: Bledsoe prison ARAP**

---

**From:** "Threadgill, Jr., Bob" <BThreadgill@grwinc.com>  
**To:** "Jennifer Innes" <Jennifer.Innes@tn.gov>  
**Date:** 4/29/2010 1:39 PM  
**Subject:** RE: Bledsoe prison ARAP  
**CC:** "Hilborn, Jim" <JHilborn@grwinc.com>

---

Jennifer,

The gas company recently marked their existing 4" line (due to the construction work that is beginning on the main prison expansion) and indicated that it was on the inside of the fence near our original force main route. We have revisited our original force main route and have decided to move the force main outside the fence (between the road and the fence). Therefore we are moving the force main approximately 18 feet to the east and locating it approximately 10 feet from the existing roadway. This shift to the east will remove the force main from two ("P" & "S") of the three delineated wetlands and all but approximately 100 feet of delineated wetland "J" (that comes under the fence slightly for about 100 feet). We are revising our plans now and will forward you a copy of the rerouted force main on Friday as part of the ARAP application.

**Do you want another complete set of drawings (plans) of the project or just the revised sheets?**

Based on this change in the design (force main route) the general permit should be sufficient since we will only disturb or impact approximately (10 ft wide x 100 ft length) 1,000 square feet or approximately 0.023 acres (less than the 0.1 acres maximum discussed below).

The SWPPP for this project (already in your possession) was sent as a preliminary document. Once the project is bid and a Contractor selected, a final SWPPP with the Contractor's signature will be submitted with the appropriate fee or journal voucher

Thanks for assistance,

Bob Threadgill

---

**From:** Jennifer Innes [mailto:Jennifer.Innes@tn.gov]  
**Sent:** Tuesday, April 27, 2010 3:03 PM  
**To:** Threadgill, Jr., Bob  
**Cc:** Micah Gravitt  
**Subject:** Bledsoe prison ARAP

Hi Mr. Threadgill

I am processing the ARAP for Bledsoe prison. It is my understanding based on your last e-mail and the drawings that the wetlands (labeled as Wetland S, Wetland P, Wetland J) go up to the fenceline, and this application states that there will be sewer line work inside the fenceline. Therefore there will be temporary wetlands impacts that need to be permitted. We can allow up to 0.10 acres of impacts to non-isolated wetlands under a general permit. Basically, I would need to know the acreage of impact, and how it will be

file:///C:/Documents and Settings/BG34059/Local Settings/Temp/XPgrpwise/4BD98BFDC... 4/29/2010



404 BNA Drive  
Suite 201  
Nashville, TN 37217  
Tel 615 / 366-1600  
Fax 615 / 366-0406

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Lexington, KY  
Louisville, KY

**GRW Engineers, Inc.**

April 12, 2010

Ms. Jennifer H. Innes  
Tennessee Department of Environment and Conservation  
Division of Water Pollution Control  
Chattanooga Environmental Field Office  
540 McCallie Avenue, Suite 550  
Chattanooga, Tennessee 37402

NR100.029

JHI \_\_\_\_\_  
JBF \_\_\_\_\_  
SWM \_\_\_\_\_  
PKB \_\_\_\_\_  
MRG \_\_\_\_\_

Re: Southeastern Tennessee State Regional Correctional Facility  
Bledsoe County, TN  
Wastewater Infrastructure Improvements  
WWTP and Force Main / Gravity Sewer Additions  
SBC Project No. 142/013-02-2004-10  
GRW Project No. 7740-30  
ARAP Application

Jee Bledsoe Co.  
Correct. Facility  
2010 (Bledsoe)

Dear Ms. Innes:

On behalf of the TN Departments of Correction and Finance & Administration, GRW Engineers is enclosing for your review and approval one (1) copy of an application for a general ARAP permit for the force main connected with the above referenced projects. The projects consists of the construction of a new Wastewater Treatment Plant, a Sewage Pumping Station, approximately 7910 LF of new six (6) inch Force Main, 1142 LF of 10 inch PVC gravity sewer, and 2362 LF of 8 inch PVC gravity sewer to serve the Southeastern TN State Regional Correctional Facility and the Taft Youth Development Center. It is our understanding that the individual ARAP permit on the prison project included the WWTP and the gravity sewers, but did not include the force main transporting wastewater from the existing Taft WWTP to the new collection system at the prison. Thus, the permit application is for the 6-inch force main only.

Included in this submittal is a USGS map of the force main route and notations shown on the map of drainage ditches that feed into the watershed area of Bee and Glade Creeks. The original individual ARAP done for the prison project added three areas considered to be wetlands (shown on the map as "S", "P" and "J"). Pictures were taken along the route and noted on the map by an X and a number that corresponds to the table included with this application. The table indicates the characteristics at each location and identifies the pictures taken at each location.

If there are any questions, please feel free to contact me.

Sincerely,

Robert G. Threadgill, Jr., P.E.  
Project Engineer

Enclosure

cc: Mr. Greg Steck – TN Dept. of Finance & Administration  
file 7740-30A







**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL  
APPLICATION FOR AQUATIC RESOURCE ALTERATION PERMIT (ARAP)  
&  
STATE §401 WATER QUALITY PERMIT**

**Section 1: Applicant Information** An application submitted by a corporation must be signed by a principal executive officer; from a partnership or proprietorship, by the partner or proprietor respectively; from a municipal, state, federal or other public agency or facility, the application must be signed by either a principal executive officer, ranking elected official or other duly authorized employee.

<b>Name:</b> Greg Steck	<b>Title or Position:</b> Real Property - Project Manager
----------------------------	--

**Company Name:**  
TN Department of Finance & Administration - Real Property Administration

<b>Mailing Address:</b> 312 Rosa L Parks Avenue, Suite 2200	<b>City:</b> Nashville	<b>State:</b> TN	<b>Zip:</b> 37243-0300
--	---------------------------	---------------------	---------------------------

<b>Phone:</b> 615-253-2160	<b>Fax:</b> 615-741-2335	<b>E-mail:</b> greg.steck@tn.gov
-------------------------------	-----------------------------	-------------------------------------

**Section 2: Alternate contact within your organization (not required)**

<b>Name:</b>	<b>Title or Position:</b>
--------------	---------------------------

<b>Mailing Address:</b>	<b>City:</b>	<b>State:</b>	<b>Zip:</b>
-------------------------	--------------	---------------	-------------

<b>Phone:</b>	<b>Fax:</b>	<b>E-mail:</b>
---------------	-------------	----------------

**Section 3: Consultant Information (a consultant is not required)**

<b>Name:</b> Robert Threadgill*	<b>Title or Position:</b> Project Engineer (Designer)
------------------------------------	--

**Company Name:**  
GRW Engineers, Inc.

<b>Mailing Address:</b> 404 BNA Drive, Suite 201	<b>City:</b> Nashville	<b>State:</b> TN	<b>Zip:</b> 37217
---	---------------------------	---------------------	----------------------

<b>Phone:</b> 615-366-1600	<b>Fax:</b> 615-366-0406	<b>E-mail:</b> bthreadgill@grwinc.com
-------------------------------	-----------------------------	--

→ Place a \* next to the individual's name listed above that should be the primary contact during the application process ←

**Section 4: Fee (check appropriate box and submit appropriate fee with application)**

**Amount of fee:**  
☐ \$50.00      ☐ \$1,000.00      ☐ \$2,500.00      ☒ no fee required

Requests for General Permit coverage require no fee. Requests for Individual Permit alterations on private farms and residences require a \$50.00 application fee. Requests for Individual Permit alterations less than 1,000 feet of stream or less than 10 acres of wetland require a \$1,000.00 application fee. Requests for alterations over 1,000 feet of stream and greater than 10 acres of wetlands require a \$2,500.00 application fee. (Checks payable to Treasurer, State of Tennessee.)

**Section 5: Project Details (fill in information and check appropriate boxes)**

**Project / Site Name:**  
Taft Pump Station Force Main

<b>Nearest City, Town or Major Landmark:</b> Taft Youth Center	<b>County:</b> Bledsoe
---	---------------------------

**Resource Proposed for Alteration:**  
☒ Stream   ☒ Wetland   ☐ Reservoir

**Name of Resource:** Tributaries of Bee & Glade Creek

**Latitude: (decimal degrees, NAD83):**  
see attached

**Longitude: (decimal degrees, NAD83):**  
see attached

**Type of proposed alteration(s):**

<input type="checkbox"/> Road Crossing <input checked="" type="checkbox"/> Utility Line <input type="checkbox"/> Intake/Outfall Structure <input type="checkbox"/> Stream or Wetland Restoration <input type="checkbox"/> Wetland Fill/Excavation <input type="checkbox"/> Other:	<input type="checkbox"/> Dredging <input type="checkbox"/> Launching Ramp <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Maintenance Activities <input type="checkbox"/> Water Withdrawal
--	---

**Brief Project Description (a more detailed description is requested in Section 8):**

Construction of a new 6-inch Force Main to transport wastewater from the Taft Center wastewater treatment plant to new collection system serving the Southeastern Regional Correctional Facility's expanded facilities.

**Do any other alterations require approval from any other state, federal, or local government agency associated with the project site? If yes, provide brief description and status of approval.**

Plans and specifications have been submitted to and approved by TDEC in letter dated March 18, 2010

**Section 6: Directions to Project Site**

From Pikeville, TN - take HWY 28 going northeast and take a left on HWY 30. Follow HWY 30 approximately 6.8 miles and turn right at the intersection of HWY 101. Follow HWY 101 for approximately 4.5 miles taking left fork on HWY 285 going northwest approximately 1.3 miles bear right onto HWY 301 which leads you to the Taft Youth Center. The force main starts at the existing WWTP and follows CC Road to new prison site (collection system).

**Section 7: Project Schedule (fill in information and check appropriate boxes).****How long will it take to perform the proposed activity?**

Approximately 60 days to construct the force main portion of the project.

**Is any portion of the activity complete now?** ☐ Yes ☒ No

**If yes, describe the extent of the completed portion below:**

**The required information in sections 8 - 12 must be submitted on a separate sheet(s) and submitted in the same numbered format as presented. If you believe that a certain request does not pertain to your project, explain the reason.**

**Section 8: Project Description**

- 8.1 A narrative description of the scope of the project
- 8.2 USGS topographic map indicating the exact location of the project (can be photographic copy)
- 8.3 Photographs of the resource(s) proposed for alteration with location description (photo locations should be noted on map)
- 8.4 A narrative description of the existing stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation
- 8.5 A narrative description of the proposed stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation
- 8.6 In the case of wetlands, include a wetland delineation with delineation forms and site map denoting location of data points

**Section 9: Purpose and Justification**

- 9. Describe the purpose for the proposed activity and overall project

**Section 10: Alternatives**

- 10. Describe all practicable alternatives considered, including what has been done to avoid or minimize impacts to streams or wetlands. For activities not covered by General Permit, each alternative must include the following: (1) feasibility, (2) environmental consequences and (3) social and economic benefits of each alternative.

**Section 11: Mitigation**

- 11.1 A detailed discussion of the proposed mitigation, if required
- 11.2 If you believe mitigation is not required, state the reason or cite the regulation to support this position
- 11.3 A detailed discussion of why you believe the mitigation would result in no net loss of resource value
- 11.4 A detailed description of the proposed monitoring plan for the mitigation site
- 11.5 A discussion of long term protection measures for the mitigation site

**Section 12: Technical Information**

- 12.1 Detailed plans, blueprints, or legible sketches of present site conditions and the proposed activity. Plans must be 8.5 x 11 inches. Additional larger plans may also be submitted to aid in application review. The detailed plans need to include dimensions of the existing and proposed stream or wetland such as depth, length, average width, substrate and riparian vegetation.
- 12.2 If mitigation is proposed, submit detailed plans, blueprints, or legible sketches of the proposed mitigation
- 12.3 For both the proposed activity and mitigation, provide a discussion regarding the sequencing of events
- 12.4 Location and type of erosion prevention and sediment control measures for the proposed alterations
- 12.5 A discussion on how the proposed activity will be performed (construction methods)
- 12.6 A copy of all hydrologic or jurisdictional determination documents issued for the water resources on the project site.

**Section 13: Certification and Signature:**

I certify under penalty of law that this document and all attachments were prepared at my request or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Greg L. Steck  
Printed Name

Project Manager  
Official Title

Signature

Date

**Section 14: Where do I send my application?**

For General Permit coverage, submit the original completed and signed application to the local Environmental Field Office (EFO) for the county of your activity. Addresses of the EFOs are listed below. Mark the application ATTN: Water Pollution Control. Submit all applications for Individual ARAPs to the Natural Resources Section at the following address, and send a copy to the appropriate EFO.

**Tennessee Department of Environment and Conservation**  
**Water Pollution Control**  
**Natural Resources Section**  
**7<sup>th</sup> Floor L&C Annex**  
**401 Church Street**  
**Nashville, TN 37243**

<b>Jackson EFO</b>	<b>Nashville EFO</b>	<b>Cookeville EFO</b>	<b>Johnson City EFO</b>
1625 Hollywood Drive 38305 Phone: 731-512-1300 Counties: Benton, Carroll, Chester, Crockett, Decatur, Dyer, Gibson, Hardeman, Hardin, Haywood, Henderson, Henry, Lake, Lauderdale, Madison, McNairy, Obion, Weakley	711 R. S. Gass Boulevard 37243 Phone: 615-687-7000 Counties: Cheatham, Davidson, Dickson, Houston, Humphreys, Montgomery, Robertson, Rutherford, Stewart, Sumner, Trousdale, Williamson, Wilson	1221 South Willow Ave. 38506 Phone: 931-432-4015 Counties: Cannon, Clay, Cumberland, Dekalb, Fentress, Jackson, Macon, Overton, Pickett, Putnam, Smith, Van Buren, Warren, White	2305 Silverdale Road 37601 Phone: 423-854-5400 Counties: Carter, Greene, Hancock, Hawkins, Johnson, Sullivan, Unicoi, Washington
<b>Memphis EFO</b>	<b>Columbia EFO</b>	<b>Chattanooga EFO</b>	<b>Knoxville EFO</b>
2510 Mt. Moriah Road STE E-645 Perimeter Park 38115 Phone: 901-368-7939 Counties: Fayette, Shelby, Tipton	2484 Park Plus Drive 38401 Phone: 931-380-3371 Counties: Bedford, Coffee, Franklin, Giles, Hickman, Lawrence, Lewis, Lincoln, Marshall, Maury, Moore, Perry, Wayne	540 McCallie Avenue STE 550 State Office Building 37402 Phone: 432-634-5745 Counties: Bledsoe, Bradley, Grundy, Hamilton, Marion, McMinn, Meigs, Polk, Rhea, Sequatchie	3711 Middlebrook Pike 37921 Phone: 865-594-6035 Counties: Anderson, Blount, Campbell, Claiborne, Cocke, Grainger, Hamblen, Jefferson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, Union

**Section 15: Administrative Information (Official Use Only).**

Date Received:	File# assigned	Fee paid: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Application administratively complete: <input type="checkbox"/> Yes <input type="checkbox"/> No	Complete Application date:
		Ck #		



# **SOUTHEASTERN REGIONAL CORRECTIONAL FACILITY**

## **TAFT PUMP STATION FORCE MAIN ROUTE**

### **ARAP Application – Section 8**

**8.1 - Project Scope and Description:** The existing Southeastern Regional Correctional Facility (SRCF) is being expanded by the construction of a new prison facility on a site adjacent to the existing facility. The increase of inmates requires the construction of a new Wastewater Treatment Plant (WWTP) to handle the additional flows expected. The existing Taft WWTP (located approximately 1 mile from the existing SRCF WWTP) was constructed in the 1950's and has been refurbished several times to meet effluent standards. This project will add a new pump station at the existing Taft WWTP site that will transport the wastewater to the new collection system and WWTP being built at the SRCF site. This will eliminate the need to upgrade and maintain the Taft WWTP and allow it to be shut down (no further discharge from this plant). The force main route will cross through pasture land to the maintenance road (E Russell Road) and head southeast under Glade Creek Road into the prison property. The force main will parallel the main entrance road (Horsehead Rd) approximately 8 feet inside the fenced in pasture land. The force main is being located on the inside of the fence to avoid a 4-inch gas main that is located on the same side of the road between the fence and the road.

**8.2 – USGS map:** See attached map.

### **8.3 – 8.4 Photographs of resources proposed for alteration & Narrative description of existing stream and/or wetland characteristics:**

There are several unnamed tributaries that the force main will cross, but no blue line streams. As the force main leaves the pump station it will cross under four (4) drainage ditches that feed into an unnamed tributary of Bee Creek. All runoff at the Taft site empties into the unnamed tributary or directly into Bee Creek. After the line crosses under Glade Creek Road, runoff flows towards Keener Branch (a tributary of Glade Creek) or Glade Creek. There are several man made ponds that have been constructed on the south side of Glade Creek Road to provide water for the cattle and irrigation of crops raised in the fields along Horsehead Road. The force main route crosses the following resources:

Resource No.	Map No.	Latitude	Longitude	Location Description	Resource Description	Photograph No.'s
1	5	35° 45.706	-085° 14.807	Pasture	Approx 1 foot wide, dirt banks, grass bottom, about 2" of water in ditch	013, 014, 015

<b>Resource No.</b>	<b>Map No.</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Location Description</b>	<b>Resource Description</b>	<b>Photograph No.'s</b>
2	4	35° 45.645	-085° 14.872	Pasture	Approx 1 foot wide, dirt banks, grass bottom, about 2" of water in ditch	010, 011, 012
3	3	35° 45.593	-085° 14.885	Pasture	Approx 2 feet wide, dirt banks, grass bottom, about 2" of water in ditch	007, 008, 009
4	2	35° 45.549	-085° 14.907	Pasture	Approx 2 to 3 feet wide, dirt banks, grass bottom, about 3" to 4" of water in ditch	004, 005, 006
5	1	35° 45.479	-085° 14.919	Pasture	Approx 5 to 6 feet wide, dirt banks, grass bottom, about 4" to 5" of water in ditch	001, 002, 003
6	6	35° 45.288	-085° 14.908	Roadside/pasture	Culvert under road, no running water, dirt, gravel and mud.	016, 017, 018
7	7	35° 45.211	-085° 14.980	Roadside/pasture	Culvert under road, drains to pond, very small amount of running water, dirt, mud and grass.	019, 020, 021
8	8	35° 45.073	-085° 15.109	Roadside/pasture	Culvert under road, standing water, grass, dirt, gravel and mud.	022, 023, 024

<b>Resource No.</b>	<b>Map No.</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Location Description</b>	<b>Resource Description</b>	<b>Photograph No.'s</b>
9	9	35° 44.894	-085° 15.120	Roadside/pasture	Culvert under road, approx 5 feet wide and 1 ft deep, dirt banks, grass bottom, about 6" of water in ditch that drains to manmade pond (dammed drain way)	025, 026, 027
10	10	35° 44.827	-085° 15.132	Roadside/pasture	Culvert under road, dirt swell banks, grass bottom, about 2" of water in ditch that drains to manmade pond	028, 029, 030
11	11	35° 44.700	-085° 15.144	Roadside/field	Culvert under road, dirt swell banks, grass bottom with 2 ft banks, approx 3 ft wide with approx 3-inches of water, draining to manmade pond that will be drained and filled with prison construction project (not this project)	031, 032, 033
12	12	35° 44.627	-085° 15.152	Roadside/field	Culvert under road, grass, standing water, swampy, no ditch to drain water	034, 035, 036



## **Photographs:**



**Location 1 – Photo 013**



**Location 1 – Photo 014**



**Location 1 – Photo 015**



**Location 2 - Photo 010**



**Location 2 - Photo 011**



**Location 2 - Photo 012**





**Location 3 - Photo 007**



**Location 3 - Photo 008**



**Location 3 - Photo 009**



**Location 4 - Photo 004**



**Location 4 - Photo 005**



**Location 4 - Photo 006**





**Location 5 - Photo 001**



**Location 5 - Photo 002**



**Location 5 - Photo 003**



**Location 6 - Photo 016**



**Location 6 - Photo 017**



**Location 6 - Photo 018**





**Location 7 - Photo 019**



**Location 7 - Photo 020**



**Location 7 - Photo 021**



**Location 8 - Photo 022**



**Location 8 - Photo 023**



**Location 8 - Photo 024**





**Location 9 - Photo 025**



**Location 9 - Photo 026**



**Location 9 - Photo 027**



**Location 10 - Photo 028**



**Location 10 - Photo 029**



**Location 10 - Photo 030**



**Location 11 - Photo 031**



**Location 11 - Photo 032**



**Location 11 - Photo 033**



**Location 12 - Photo 034**



**Location 12 - Photo 035**



**Location 12 - Photo 036**



**8.5 A narrative description of the proposed stream and or wetland characteristics:**

Not applicable (no new streams or wetlands are proposed).

**8.6 In the case of wetlands, include wetland delineation with delineation forms:**

Not applicable (no new wetlands are proposed) – existing wetlands defined by previous investigations are shown on the map.

**ARAP Application – Section 9: Purpose and Justification**

**9. Describe the purpose for the proposed activity and overall project.**

This project is for the construction of a sewage force main to transport the wastewater from the existing Taft Center wastewater treatment plant (WWTP) to the new proposed treatment plant at the Southeastern Regional Correctional Facility (SERCF). A new pump station will be located at the Taft WWTP to pump the wastewater entering this facility to the new treatment plant so that the Taft WWTP can be decommissioned. The force main will be constructed approximately 3 to 4 feet below the existing ground level from the Taft WWTP to the new proposed gravity sewer line at the SERCF site.

**ARAP Application – Section 10: Alternatives**

**10. Describe all practicable alternatives considered, including what has been done to avoid or minimize impacts to streams or wetlands.**

The force main route does not cross blue line streams as shown on USGS maps. Roadways in the immediate area were followed to avoid the main streams in the area. All water crossings are in ditches that are considered wet weather conveyance ditches (summer months ditches are dry). Pictures shown with this submittal were taken on Monday, March 15, 2010 after a large rain event (over 1.25 inches) during the previous weekend.

**ARAP Application – Section 11: Mitigation**

**11.1 A detailed discussion of the proposed mitigation, if required.**

This construction project will temporarily disturb the area where the force main is located and erosion control techniques will be used during construction (see details on drawings submitted with the permit application). The pipeline will be installed approximately 3 to 4 feet below the existing ground level and the construction area restored to its original or better condition after installation of the pipeline. Air relief valves used in this project will be located at high points along the line and will not hamper or disturb the drainage way.

**11.2 – 11.5 Not Applicable**



